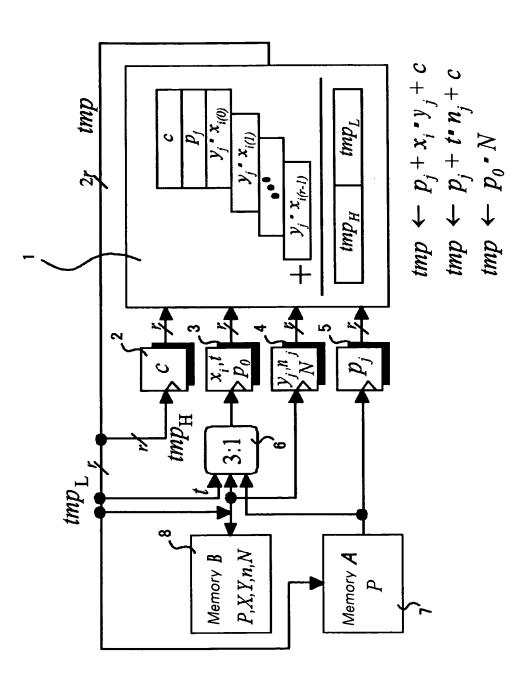


| | | <u> </u> | π | я | | , | | K | |
|-------|-------------------|-------------------|-------------------------|------------|---|------------------|----------|------------------------------------|-------------------------|
| | | IX | IX | | | наш | | X | 3 |
| | | | $\langle \cdot \rangle$ | * _ | _ | | | $\langle \cdot \rangle$ | |
| | | | | <i>p</i> 3 | z. | | | | |
| • | ↑ | 1 6 | 13 | | | ндш | | ∇ | |
| | | 1 | | | | | | $\left\langle \cdot \right\rangle$ | P |
| P-n | | | 3.5 | p_I | u | | | X | |
| P=P-n | | | 7. | | | tmp _H | | , w | 3 |
| | | 7 | 2 | | | £ | 0 | d | D |
| | ¥ | | | p_4 | 0 | | ¥. | | |
| | • | 4 | | | | трн | | I | 1 |
| | | Q. | | | 交通 | £ | | d | P |
| | T | | | p_2 | n_2 | | | | |
| | \ \tau_{\text{ }} | 2 | 2 | | | ндиц | | \bigvee | |
| | <i>j=0</i> ~3 | d | 2 | | | Æ | | $\langle \cdot \rangle$ | |
| | " | | | p_0 | n_0 | | | X | X |
| | | 0 | 0 | | | | | * | |
| | \$ | Q | 2 | | | 0 | | p_4 | |
| i=3 | f calculation | | | 0 | 0 | tmp _H | | p_3 | X |
| | | | \bigvee | 33 | 3 | | | | |
| | | | \triangle | D | 7 | | | | |
| | 1 1 | p3 | γ_3 | | | tmp _H | | I_{a} | X |
| | | | | / | (- 130 ())) | | | | $\langle \cdot \rangle$ |
| | <i>j=0</i> ~3 | | | d | 7 | 3.0 | | | \triangle |
| | | $\frac{1}{a}$ | 7 | | | tmp _H | | 3 | \times |
| | | | | | 1. A. | 7 | | 1 | \longleftrightarrow |
| | • | | | P | 0 | | $ x_3 $ | | \triangle |
| 4 | | 4 | سي | | | tmp _H | | 1, | X |
| ~ | <u> </u> | 1 | | 24-51. | | | | I | \longleftrightarrow |
| i=2 | j= ~3 | | | p | n_2 | | | | X |
| | <u>.</u> | 2 | 1/2 | | | Ндшэ | | \bigvee | ∇ |
| | T | 7 | 7 | | | € | <i>t</i> | $\leq \lambda$ | 4 |
| | | Mem A(read) p_2 | Mem B(read) n_2 | | > | | | Mem A(write) | Mem B(write) |
| | | A(1 | B(1 | P | Y, n, N | o | X, l | A(n | B(w |
| | | тәр | lem | | Υ, | | • | lem. | em |
| | | V | V | | | | | Z | Z |



JP9 — 20

JP9 - 2000 - 0304 - JP1

| | | | | | | | | | · 4 | |
|---------------|---------------|---|-------------------|--------------------------------|-------------|---------|--------------------------|----------------|-------------------------|-------------------------|
| 1 | | | \times | X | p_3 | | | | \times | p_3 |
| В | | | 23 | X | | | | | X | |
| Mem | | | | \Diamond | , , | | | | \bigotimes | 1 |
| Mem A → Mem B | | | | () | d | | | | $\langle \cdot \rangle$ | D |
| lem, | | | P | \triangle | | | | | \triangle | |
| Ä | | | | \angle | \boxtimes | 0 | 0 | | p_3 | \bowtie |
| , | | | X | X | p_3 | n_3 | | | | \times |
| | | • | 73 | 13 | | | НДШ | | 2, | X |
| _ | | | | | , I | I | ų V | | | \bowtie |
| P=P-n | | | | | d | 2 | H _C | | | \bowtie |
| 1 | | | p_i | z z | | | tmp _H | 0 | P | $\langle \cdot \rangle$ |
| | | | | | p_4 | 0 | | | | \angle |
| 4 | | | p_4 | X | | | <i>т</i> тр _Н | | p_I | \bowtie |
| | 1 | | | | 2 | n_2 | 1 | | , | X |
| | ^ش | | 2 | 1, 2 | | | tmp _H | <u>-</u> | \bigvee | |
| | <i>i=0</i> ~3 | | 7 | | 0 | 0 | th | | \longleftrightarrow | \bowtie |
| | | | | | p_o | 2 | | | \triangle | $\langle \cdot \rangle$ |
| | <u> </u> | | P_0 | n | | | 0 | | P | X |
| <i>j=</i> 3 | r calculation | | | | 0 | 0 | Hdw1 | | p_3 | \boxtimes |
| | | | X | X | p_3 | 73 | | | | \bowtie |
| | 1 | _ | p_3 | رش | | 20 | $^{H}d\mu$ | | 7 | |
| | 8 | | | | | ACIONE | | | | |
| | j=0 ~3 | | | | D | 7 | Н. | | | $\langle \cdot \rangle$ |
| | | | D | 7 | | | НДщ | | p_3 | $\langle \cdot \rangle$ |
| | • • | | | | p_4 | 0 | | x ₃ | | \boxtimes |
| 4 | | | P | x3 | | | Наш | | p_I | \bowtie |
| <i>i=</i> 2 | m | | | | 2 | n_2 | | | | X |
| | j= ~3 | | 2 | ~ | | | н фщ | | | |
| | * * | | $\frac{a}{a}$ | <u>2</u> | [#R | 24.5 | Ē | 1 | $\stackrel{\sim}{\sim}$ | $\overline{\lambda}$ |
| | | | reaa | reaa | _ | × | | _ | write | write |
| | | | Mem A(read) p_2 | Mem B(read) n_2 | ď | Y, n, N | o | × | Mem A(write) | Mem B(write) |
| | | | Me | $\mathcal{A}_{\boldsymbol{e}}$ | | | | | Me | Me |

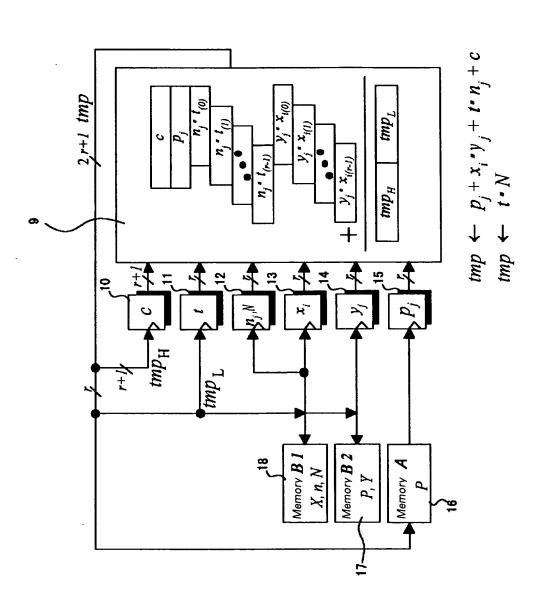
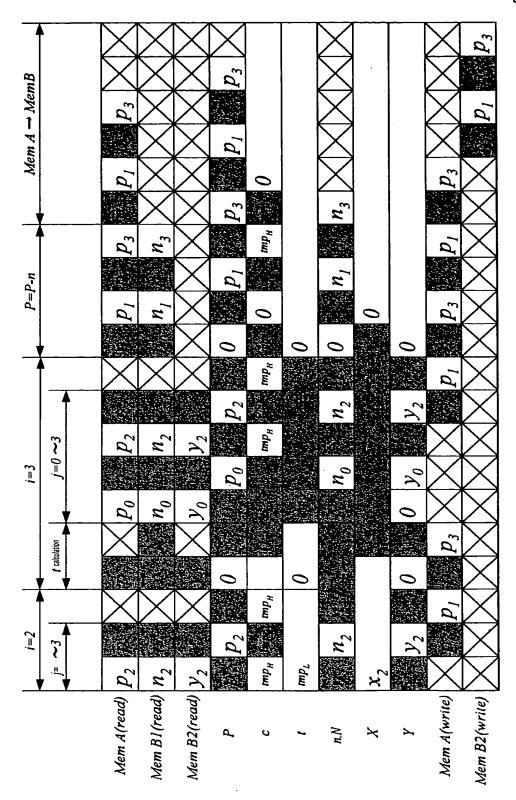
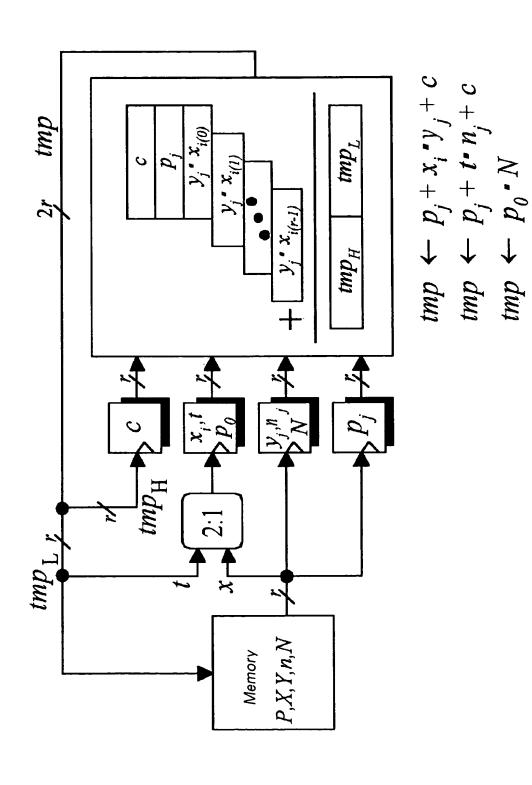


Fig. 5





| | | \boxtimes | X | | 1 | | $ p_3 $ |
|-------|---------------|------------------|----------------|---------|-----------------|------|----------------|
| | | \times | | n_{j} | | | X |
| | | n3 | P3 | | | | |
| | | p ₃ | | | mp _H | | \boxtimes |
| | | | | | tm | | p, |
| P=P-n | | | | 'n | | | X |
| 4 | | n | P. P. | | | | |
| | | P, | | | | | X |
| | | | | | 0 | | d |
| 4 | | | 9 | 0 | | 0 | |
| | 4 | D . | | | прн | | Ą |
| | | | | 3 | U | | |
| | | 2 | ~ | 2 | lan | | |
| | اش | 2 11 | P | | | | |
| | 1=0~3 | 9 | | | mp _H | | \bigcirc |
| | 1 | | | 01 | - | | K |
| | | 20 | ٥ | | | | K |
| | | 00 | 1 | | 0 | | <u>(</u> |
| | ation | | | PHRS. | s s | | <u> </u> |
| 1=3 | s calculation | | からは | ر ع | | 4677 | X |
| | 1 | ٠, | P3 | | | | |
| | | P3 | | | H | | X |
| | | | | | tus | | b, |
| | 1=0~3 | n | | 7, | | | \times |
| | 2 | 7, | P _I | | 8 | | |
| | | p | | | | | \boxtimes |
| | | | S | | 0 | | \geq |
| | 1 | 8 | | | | ਮੰ | b, |
| _ | | x ₃ G | 4 | 0 | | | |
| | | 4 | | | H _d | | \bowtie |
| 1=2 | j= ~3 | | | | S | | a, |
| ب | ·P | | p, | 7 | | ~ | Ķ |
| | | read | ۵ | Y, n, N | U | X, t | vrite, |
| | | Mem(read) D | • | χ, | - | ~ | Mem(write) X p |

The property of the proper